

XP-002099382

1/1 - (C) WPI / DERWENT
 AN - 87-281912 ç40!
 AP - JP860033769 860220; JP860033769 860220; çBased on
 J62197309 !
 PR - JP860033769 860220
 TI - Titania silica composite body mfr. - includes adding
 aq. acid titanium soln. - to alkali silicate soln. opt.
 in presence of titanium oxide
 IW - TITANIA SILICA COMPOSITE BODY MANUFACTURE ADD AQUEOUS
 ACID TITANIUM SOLUTION ALKALI SILICATE SOLUTION OPTION
 PRESENCE TITANIUM OXIDE
 PA - (TOKU) TOKUYAMA SODA KK
 PN - JP62197309 A 870901 DW8740 007pp
 - JP6045451B B2 940615 DW9422 C01B33/113 004pp
 ORD - 1987-09-01
 IC - C01B33/11 ; C01B33/113 ; C01G23/04 ; C08K9/02 ;
 C08K9/04 ; C09C1/28 ; C09D7/12
 FS - CPI
 DC - A60 E32 E36 G01 L02
 AB - J62197309 A non-crystalline titania/silica composite
 body is claimed. It has primary particle size of 10-100
 nm, opacity (measured by volume method) of 0.5-30 and
 oil absorbing capacity of 100 ml/ 100 g - 300ml/100g.
 The specific surface area is 50-40 m2/g, and the
 content of titania w.r.t. silica is 0.5-30 wt.%.
 - In the prodn., an aq. acid soln. of titanium is added
 to an aq. soln. of an alkali silicate opt in the
 presence of titanium oxide, for at least 30 min until
 the pH becomes 1-7. The resulting soln. is then heated
 at 80 deg.C - the b.pt. of the soln.
 - USE/ADVANTAGE - The produced titania/silica composite
 body is esp. useful as a filling agent or coating agent
 for paper, paint, and plastic rubber to render opacity.
 The cpd. not only renders improved opacity, but also
 offers good oil absorbing capacity and a large
 refractive index.(0/0)

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